

REMARKS/ARGUMENTS

Claims 1 to 6, 10, 13 to 16 and 18 to 22 were rejected under 35 U.S.C. 103(a) as being unpatentable over Helms et al. (U.S. 5,676,754) in view of Keiser et al. (U.S. 2003/0091791). Claims 8 and 9 were rejected under 35 U.S.C. 103(a) as being unpatentable over Helms et al. in view of Keiser et al. and further in view of McCartney (U.S. 5,386,771). Claims 7, 11 and 12 were rejected under 35 U.S.C. 103(a) as being unpatentable over Helms et al. in view of Keiser et al. as applied to claims 1 to 6, 10, 13 to 16 and 18 to 22, and further in view of Fujiki (U.S. 5,554,333).

Reconsideration of the application is respectfully requested.

35 U.S.C. 103 Rejections

Claims 1 to 6, 10, 13 to 16 and 18 to 22 were rejected under 35 U.S.C. 103(a) as being unpatentable over Helms et al. in view of Keiser et al.. Claims 8 and 9 were rejected under 35 U.S.C. 103(a) as being unpatentable over Helms et al. in view of Keiser et al. and further in view of McCartney. Claims 7, 11 and 12 were rejected under 35 U.S.C. 103(a) as being unpatentable over Helms et al. in view of Keiser et al. as applied to claims 1 to 6, 10, 13 to 16 and 18 to 22, and further in view of Fujiki.

Helms discloses a chill roll, and provides a description of the prior art in column 1, line 25 et seq. An air layer can be formed by hydrodynamic pumping action between the web and the chill roll. See col. 2, line 15 et al.

Keiser discloses a chill roll 36 with pockets in a chromium coating. As a web 30 with a polyolefin coating 14 is pinched between the nip of chill roll 36 and roll 38, peaks 16 (Fig. 4) form to provide a matte finish (See [0025] for example)].

Claim 1 of the present application recites a chill roll for a web printing press having “a porous layer disposed at a circumference of the drum and configured to provide a pathway for air from a first location between the chill roll and a web passing over the chill roll and a second location having a lower air pressure.”

The outer layer of Keiser does not and cannot “provide a pathway for air from a first location between the chill roll and a web passing over the chill roll and a second location having a lower air pressure.”

The pockets of the outer layer of Keiser project inwardly and are an inverted image of the peaks shown in Figs. 1 to 4 of Keiser. The pockets are isolated, and the paper web is impressed into the pockets and against the roll 36 by pressure roll 38. (See [0038].) Air cannot pass to from one end of the roll to an opposite side as asserted in the Office Action since the pockets of Keiser are separated by the nipped paper, which receives the matte finish.

The pockets of Keiser thus are not configured at all to provide a pathway for air at all as claimed in claim 1 and the other independent claims.

In addition, the porous layer of Keiser is used solely for providing a matte finish, and would not provide any additional cooling as asserted by the Office Action as motivation for the combination.

Withdrawal of the claim rejections is respectfully requested.


CONCLUSION

The present application is respectfully submitted as being in condition for allowance and applicants respectfully request such action.

If any additional fees are deemed to be due at this time, the Assistant Commissioner is authorized to charge payment of the same to Deposit Account No. 50-0552.

Respectfully submitted,
DAVIDSON, DAVIDSON & KAPPEL, LLC

By: _____


William C. Gehris
Reg. No. 38,156

Davidson, Davidson & Kappel, LLC
485 Seventh Avenue
New York, New York 10018
(212) 736-1940